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In Utero Fine Particle Air Pollution and Placental Expression of Genes in the Brain-Derived Neurotrophic Factor Signaling Pathway: An ENVIRONAGE Birth Cohort Study

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- **Table S1.** Primer assays for selected genes and their RefSeq number.
- **Table S2.** Within-placenta and between-placenta variability of the two placental biopsies for each gene.
- **Table S3.** Correlations between genes in the *Bdnf* signaling pathway.
- **Table S4.** Exposure characteristics of NO_2 (n = 90).

Figure S1. Difference in placental gene expression in association with *in utero* exposure to fine particle air pollution (PM_{2.5}) during various time windows (single-gene models; n=90). The effect estimates are the percent difference (95% CI) relative to mean gene expression for a 5 μ g/m³ increment of PM_{2.5} exposure (μ g/m³). Time window specific PM_{2.5} exposures (μ g/m³) were calculated by averaging the daily interpolated PM_{2.5} concentrations for various periods during pregnancy: each of the three trimesters. Estimates were adjusted for newborn's gender, maternal age, maternal education, gestational age, cord blood insulin, placental biopsy site, delivery date, season at birth and NO₂ exposure. * p < 0.05